

Watershed based management: integrating people, resources and policy

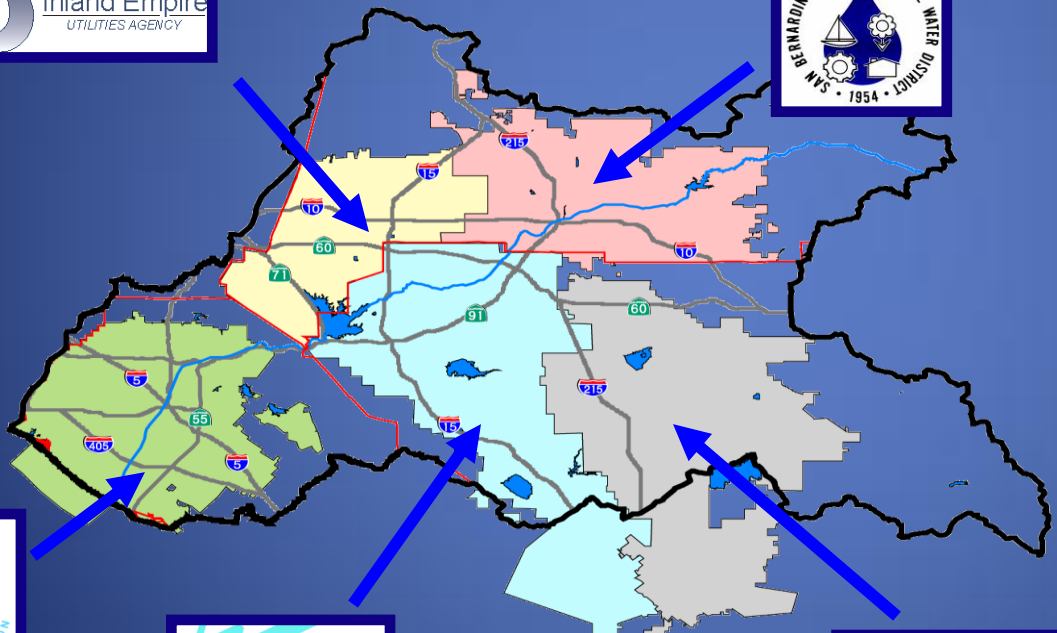


WQCC

Celeste Cantú
November 2012

Santa Ana Watershed Project Authority

Member Agencies & Stakeholders



Stakeholders

- 97 Water-related Agencies
- 4 Counties
- 59 Cities
- State water, environmental, & regulatory agencies
- Federal Agencies
- Tribes
- Special Districts
- Special Interest Groups

Water Boards: What can you do for the Region?



Four Horsemen of the Apocalypse

Climate Change

Sac/SJ Delta



Colorado River
Drought

Sprawl

...the herd is growing

Energy Cost will drive policy



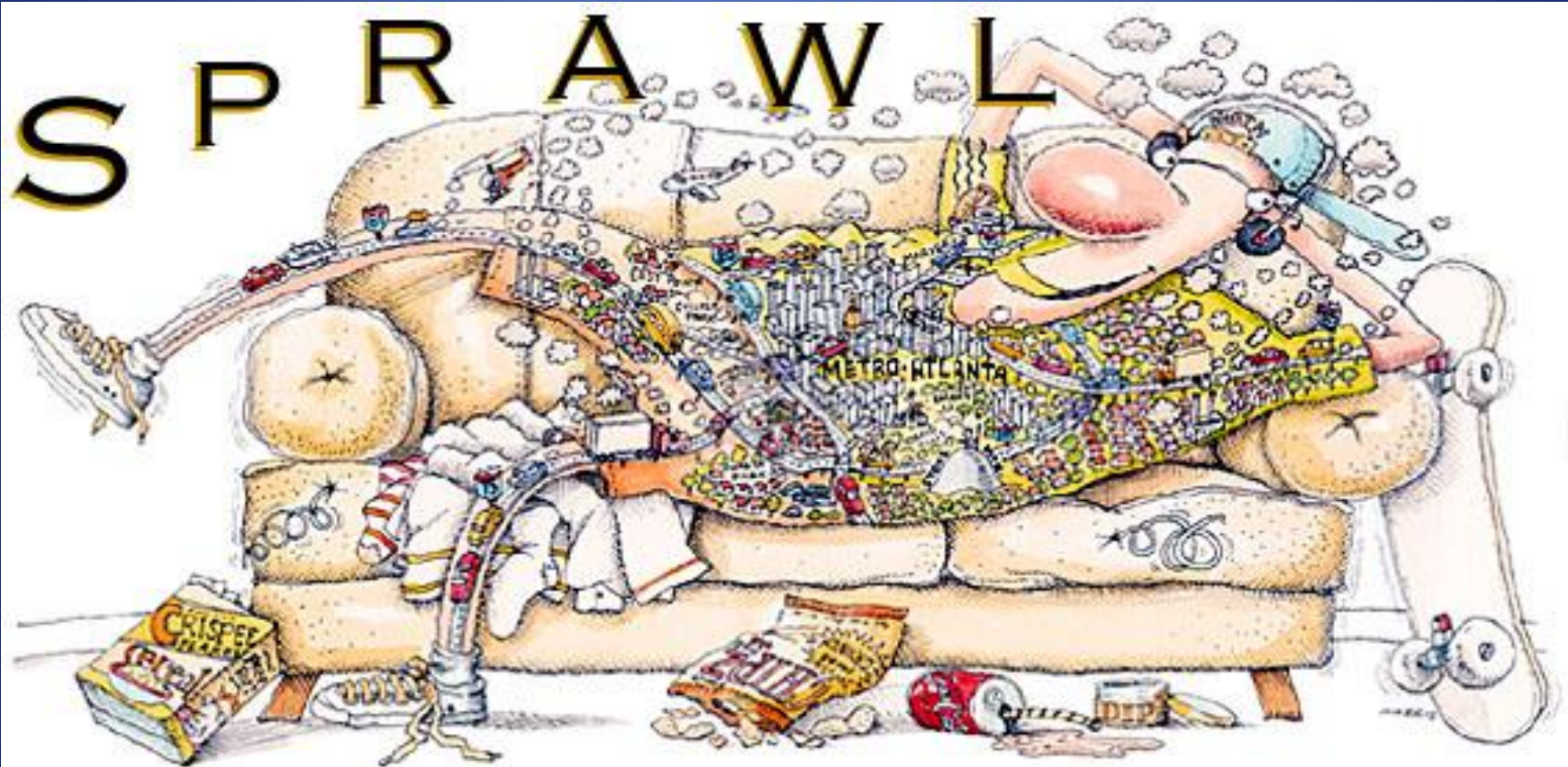
Fiscal Crisis will constrain investment



Gluttony the Water waster



The Eighth Horseman?



Meet Conflict and
make him your
friend.



One Water One Watershed: The Promise of Watershed Planning



The Watershed approach

1

- The Santa Ana River Watershed is a hydrologic whole

2

- Working in concert with nature is cost effective

3

- See each problem as interrelated, seek efficiencies and synergies

Collaborate Across Boundaries

1

- As citizens of the Watershed, create synergies

2

- No ONE can do it alone

3

- **Think Big!**

Create A New

1

- OWOW is a shared Vision for the Watershed

2

- Breakthrough innovations

3

- Create a Water Ethic

Regional Boards Watershed Boundaries

The Concept is
Watershed based



Biggest Bang for Buck: Water Use Efficiency



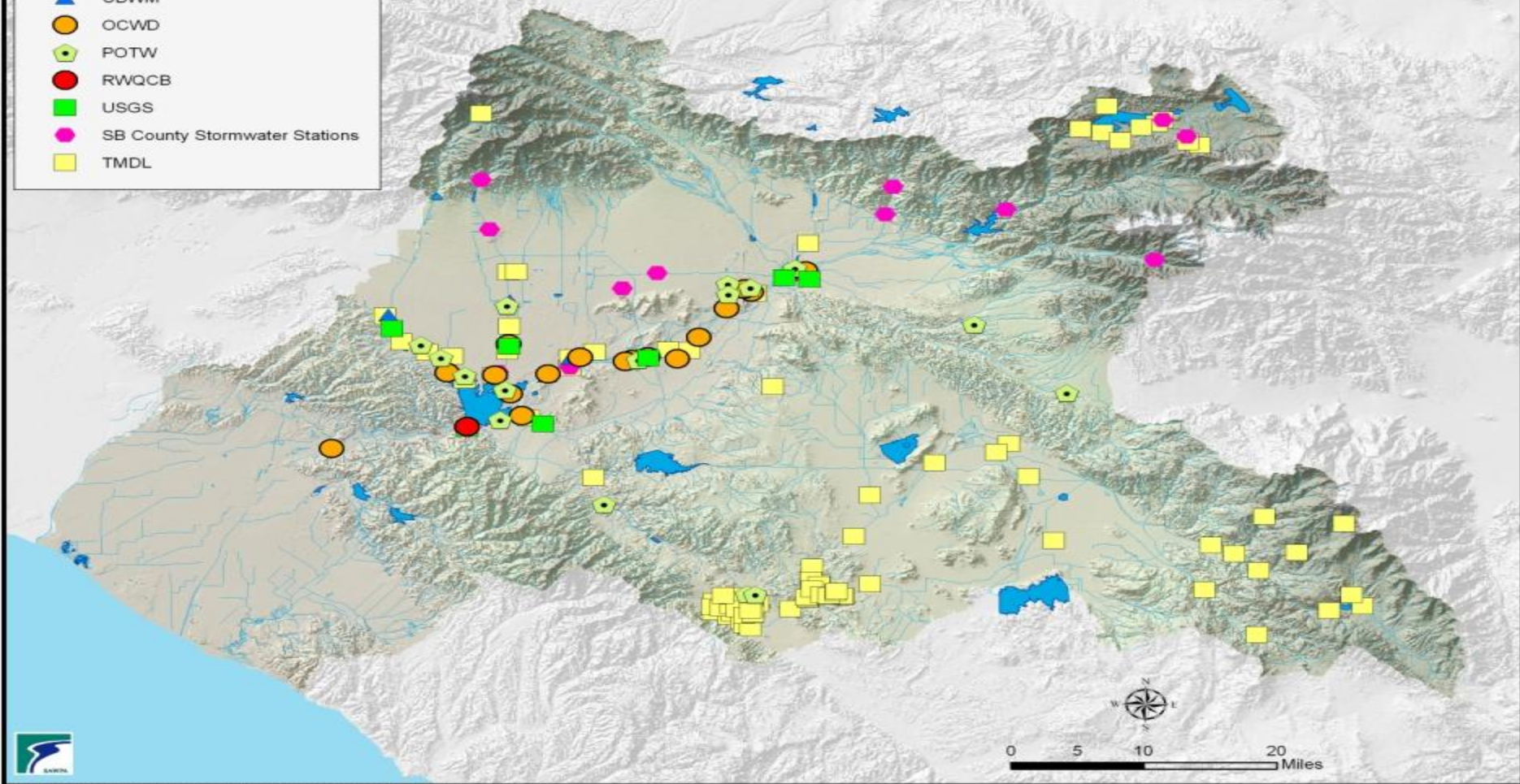
Watershed Task Forces to solve problems collectively



Surface Water Sampling Stations

- ▲ CBWM
- OCWD
- POTW
- RWQCB
- USGS
- SB County Stormwater Stations
- TMDL

Santa Ana Watershed Surface Water Sampling Stations



Manage Rainfall as a Resource



- Maximize use of rain water capture
- Provide flood control capacity

Multi-Use Flood Control Corridor Projects



- Streams and tributaries of Santa Ana River and the river itself
- Enhanced recharge
 - Rubber dams
 - Detention facilities
 - Soft-bottom
 - Stormwater in combination with recycled or imported water
- Native riparian vegetation and habitat
- Recreational use
- Water quality and TMDL's
- Adaptation to climate change impacts

Forest First



Operational Efficiency and Water Transfers



It's time to catch up with the rest of the world





A cultural shift is happening that is drastically changing the way we think about and use water.

